

Nov. 22, 1895 (P)

F. 6

Box 30

RU 7004

172.

Lambia Bay :  
Isla  
Nov. 22/88

Photographs of tracks  
made by Linulus

californicus on sand  
in shallow water  
along the margin of  
shallow water at L. Bay

The tracks photographed  
were made by a  
specimen 1 to 2 in broad.  
They were ~~in~~ feeding on  
the remains of Caecum  
etc. etc. etc. etc.  
on the sand.  
They push the ~~food~~ <sup>food</sup> to  
the ~~apex~~ <sup>apex</sup> with their  
broad head shield, after  
being entirely concealed  
where the ~~food~~ <sup>food</sup> sand is soft  
or mixed with a little





drape. The character of  
 the trail depends largely  
 on the nature of the  
 bottom on which it is  
 made. Along the  
 margins of the tidal  
 pools where the sand  
 is damp & firm only  
 a superficial layer is  
 removed the material  
 being pushed aside. In  
 such trails the imprint  
 of the feet is ~~clearly~~  
 distinct, also the ~~center~~  
 depressed line made by  
 the telson. When the same  
 animal entered the water  
 the imprint of the feet  
~~was~~ is absorbed & only  
 the <sup>raised</sup> ~~edges~~ of telson trail  
 were ~~strongly~~ defined - ~~as~~  
~~it~~ When it crossed a soft  
 silt the sand & mud  
 flowed back over the



the animal & filled in  
most of the trail. a  
central depression with  
~~rounded shapes~~, rounded  
shapes extending to the  
margin of the disturbed  
sand or mud.

One large trail, 6 in  
broad crossed in turn  
(1) a rippled marked ~~surface~~  
(2) smooth, (3) somewhat soft  
surface. Over the  
first the trail showed  
the imprints of the feet  
edge of the head  
shield & trail of telson.  
On the 2<sup>d</sup> smooth, hard  
damp sand the animal  
lifted the ~~brat~~ <sup>brat</sup> shell clear  
of the sand leaving the  
imprints of the sharp  
terminal points of the  
feet, & the transverse, faint

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impressions of the  
 lamelliform Branchiae.  
 On the 3d soft surface  
 the margins of the trail  
 were raised & rounded, &  
 the interior flat except  
 at the center where  
 the team had made  
 a relatively deep strong  
 groove - 3d = ~~impressions of branchiae~~

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~~impressions of branchiae~~ = small dermal  
 in soft bottom  
~~impressions of branchiae~~ On firm bottom

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Indian River.

St. Augustine Fla.

Caught a lot of Chelonia  
mydas & made casts  
in plaster of the  
lower side by dropping  
the medusa on a soft  
bed of the plaster. Found  
a ~~few~~ good casts.

A large medusa  
~~was~~ in the shallow  
water was drifted to  
the shore & occasionally  
left dry. Resting with  
back its feeding arms  
~~became~~ dried & became  
hard & the body of  
the medusa swelled  
& became much  
firmer than when  
the animal was  
living. Under such  
conditions if it had

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be formed in salt  
or mud. It would  
have given rise  
to a strong east.